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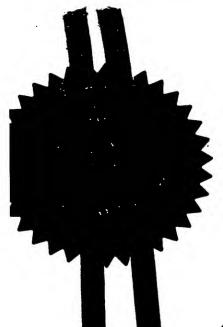
The Patent Office Concept House Cardiff Road Newport South Wales NP10 8QQ

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

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REC'D 0.9 AUG 2004

Signed Andrew Gersey

Dated 22 July 2004

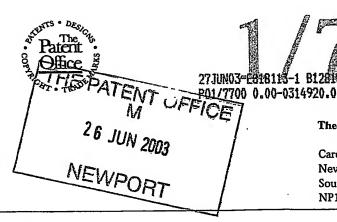
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Patents Form 1/77



Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)



The Patent Office

Cardiff Road Newport South Wales NP10 8QQ

1. Your reference

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- 2. Patent application number (The Patent Office will fill in this part)
- 3. Full name, address and postcode of the or of each applicant (underline all surnames)

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

0314920.0

2 6 JUN 2003

ANTHONY ARTHURWILLS 10GREWHAM RUAD LONDON NIOLL

6399968001

4. Title of the invention

ONE USE ONLY (GAS)

- 5. Name of your agent (if you have one)
 - "Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

Patents ADP number (if you know it)

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number Country

Priority application number (if you know it)

Date of filing (day / month / year)

 If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application Number of earlier application

Date of filing (day / month / year)

- 8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer Yes' if:
 - a) any applicant named in part 3 is not an inventor, or
 - there is an inventor who is not named as an applicant, or
 - c) any named applicant is a corporate body. See note (d))

Patents Form 1/77

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Enter the number of sheets for any of the following items you are filing with this form. Do not count copies of the same document

Continuation sheets of this form

Description 1

Claim(s)

Abstract |

Drawing (s)

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If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 9/77)

Request for substantive examination (Patents Form 10/77)

Any other documents (please specify)

11.

I/We request the grant of a patent on the basis of this application.

Signature

Date 25/6/03

12. Name and daytime telephone number of person to contact in the United Kingdom

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Warning

After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you live in the United Kingdom, Section 23 of the Patents Act 1977 stops you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.

Notes

- a) If you need help to fill in this form or you have any questions, please contact the Patent Office on 08459 500505.
- b) Write your answers in capital letters using black ink or you may type them.
- c) If there is not enough space for all the relevant details on any part of this form, please continue on a separate sheet of paper and write "see continuation sheet" in the relevant part(s). Any continuation sheet should be attached to this form.
- d) If you have answered 'Yes' Patents Form 7/77 will need to be filed.
- e) Once you have filled in the form you must remember to sign and date it.
- f) For details of the fee and ways to pay please contact the Patent Office.



Signage that becomes visible after a period of exposure to a gas

Background

It is known that:

- Photographic industries protect their film and paper with gas proof packaging.
- Some chemicals change colour when exposed to certain gasses.
- Some disposable items are packaged in sterile packaging.

For example

Medical products that are designed to be used once but are frequently used several times. This presents a danger to the patient and is economically problematic for the supplier. Some patients have died because of multiple use of disposable medical products.

Description

The invention relates to the use of gas sensitive markings, materials, coatings or printing on disposable items and protection of them with gas proof packaging. Prior to opening the gas proof packaging, the gas sensitive markings, materials, coatings or printing remain invisible and undeveloped. After a period from the time of opening the gas sensitive markings, materials, coatings or printing upon exposure to a gas, change colour to reveal markings such as written or graphic information. The marking can be as informative as need be. Preferably, the gas sensitive chemicals used are not toxic in any way.

Drawing

The example illustrated shows part of a medical device that may only be used once for purposes of hygiene patient safety. In Figure 1 the gas proof packaging has been removed for clarity and no markings are evident. In Figure 2, after a defined period of time, exposure to a gas has caused the gas sensitive markings, materials, coatings or printing (3) to develop and become visible.



Claim

1 A method of producing signs that become visible after exposure to a gas for a length of time.

Abstract Signage that becomes visible after a period of exposure to a gas

A message or graphic information created with the use of gas sensitive materials becomes readable after a period of exposure to a gas.

